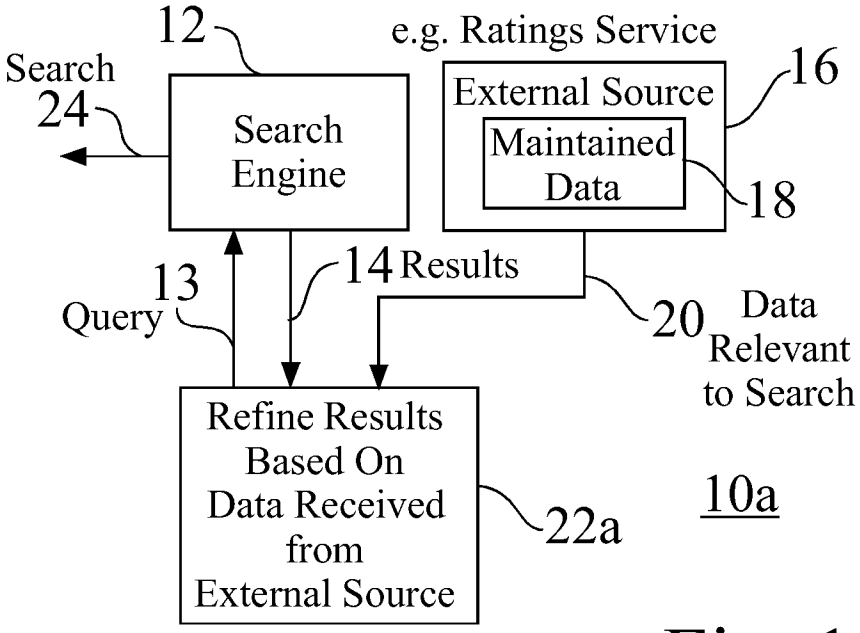
12
e.g. Ratings Service
Search
24
Search Engine
External Source
Maintained Data
16
18
13
Query
14 Results
20
Data Relevant to Search
Refine Results Based On Data Received from External Source
22a
10a

Fig. 1

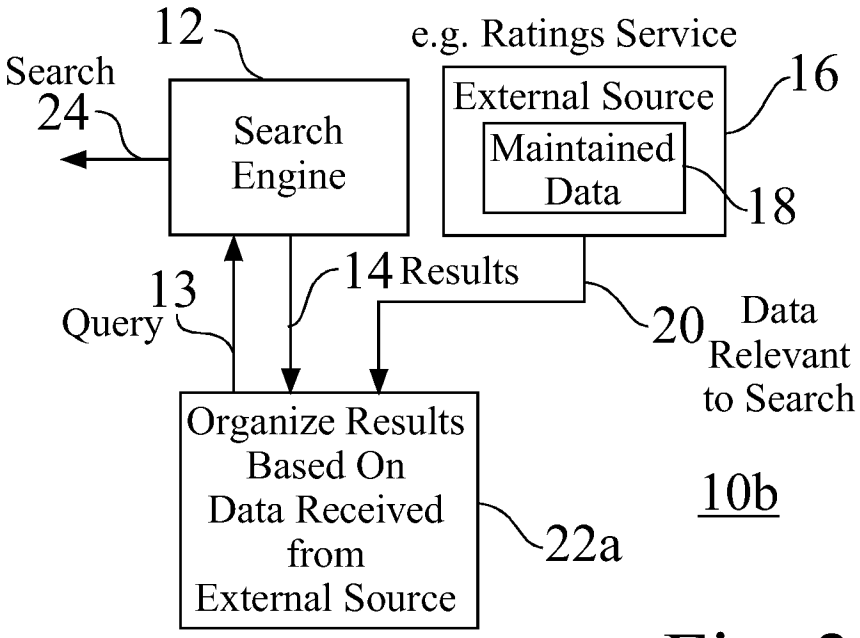
12
e.g. Ratings Service
Search
24
Search Engine
External Source
Maintained Data
16
18
13
Query
14 Results
20
Data Relevant to Search
Organize Results Based On Data Received from External Source
22a
10b

Fig. 2

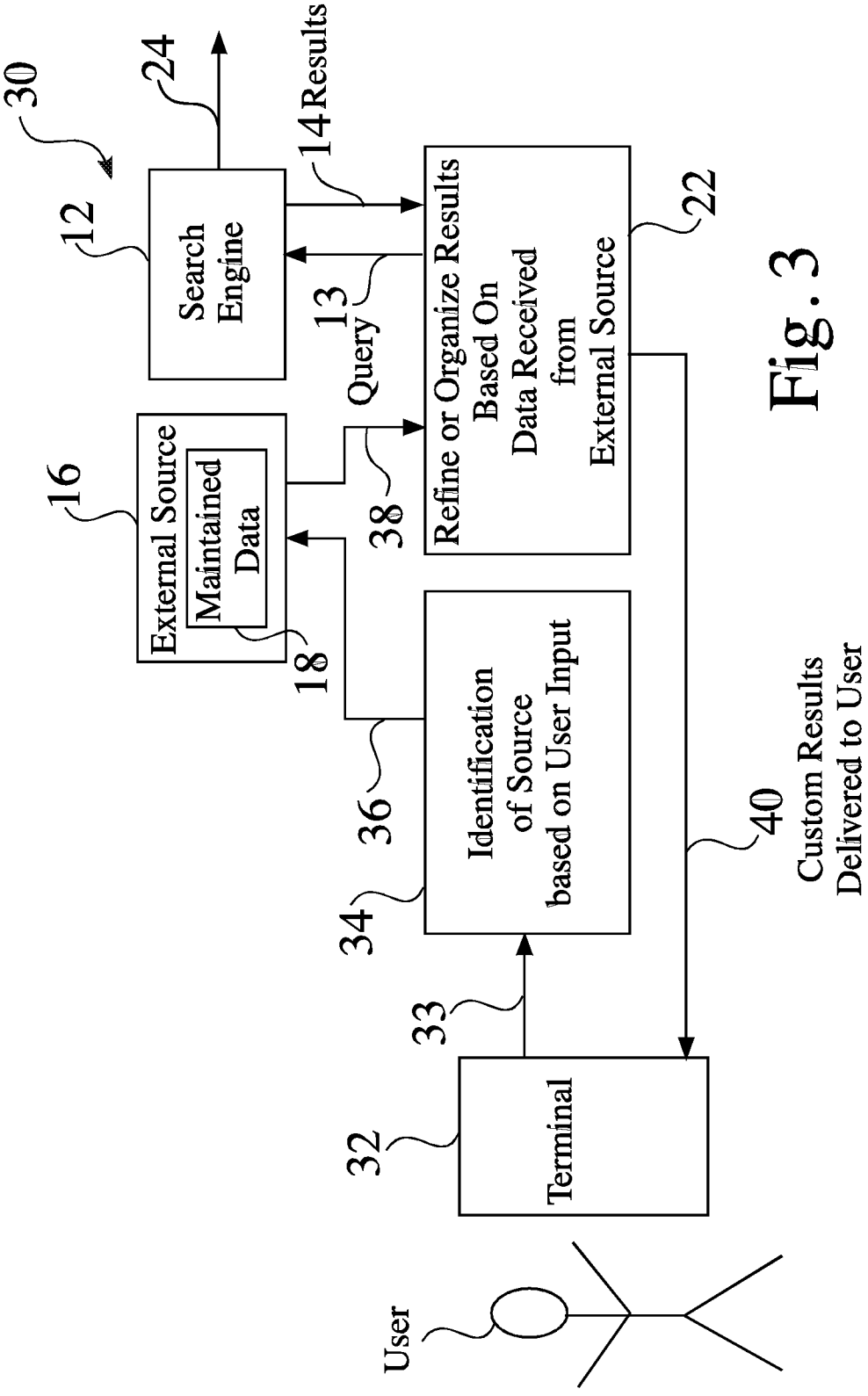
30
24
14 Results
12
Search Engine
22
Refine or Organize Results Based On Data Received from External Source
13 Query
16
External Source
Maintained Data
38
18
36
Identification of Source based on User Input
34
40
Custom Results Delivered to User
33
32
Terminal
User

Fig. 3

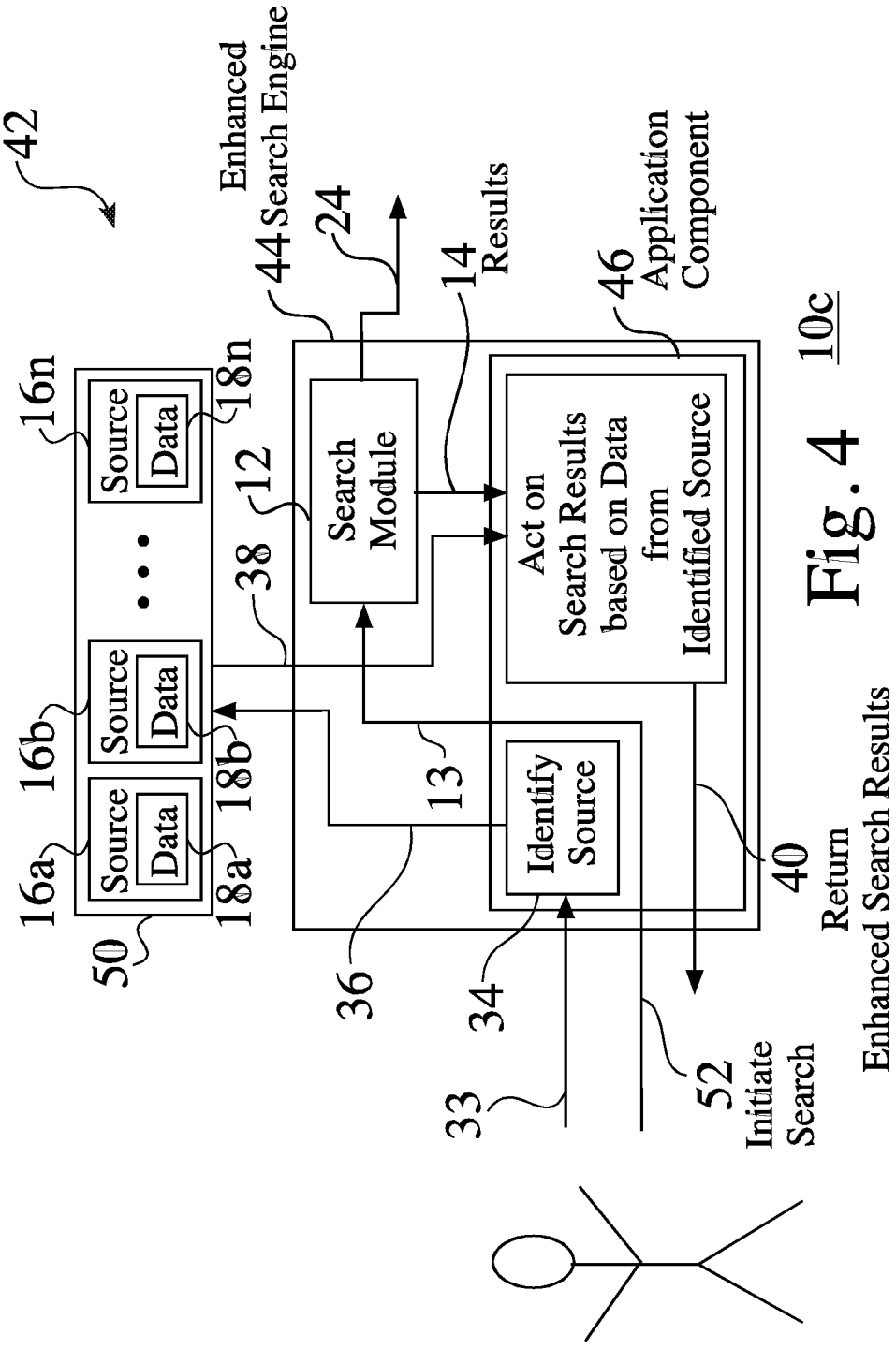
42
Enhanced Search Engine
44
24
14 Results
46 Application Component
16n
Source
Data
18n
12
Search Module
38
Act on Search Results based on Data from Identified Source
16b
Source
Data
18b
13
16a
Source
Data
18a
Identify Source
50
36
34
40 Return Enhanced Search Results
33
52 Initiate Search

Fig. 4 10c

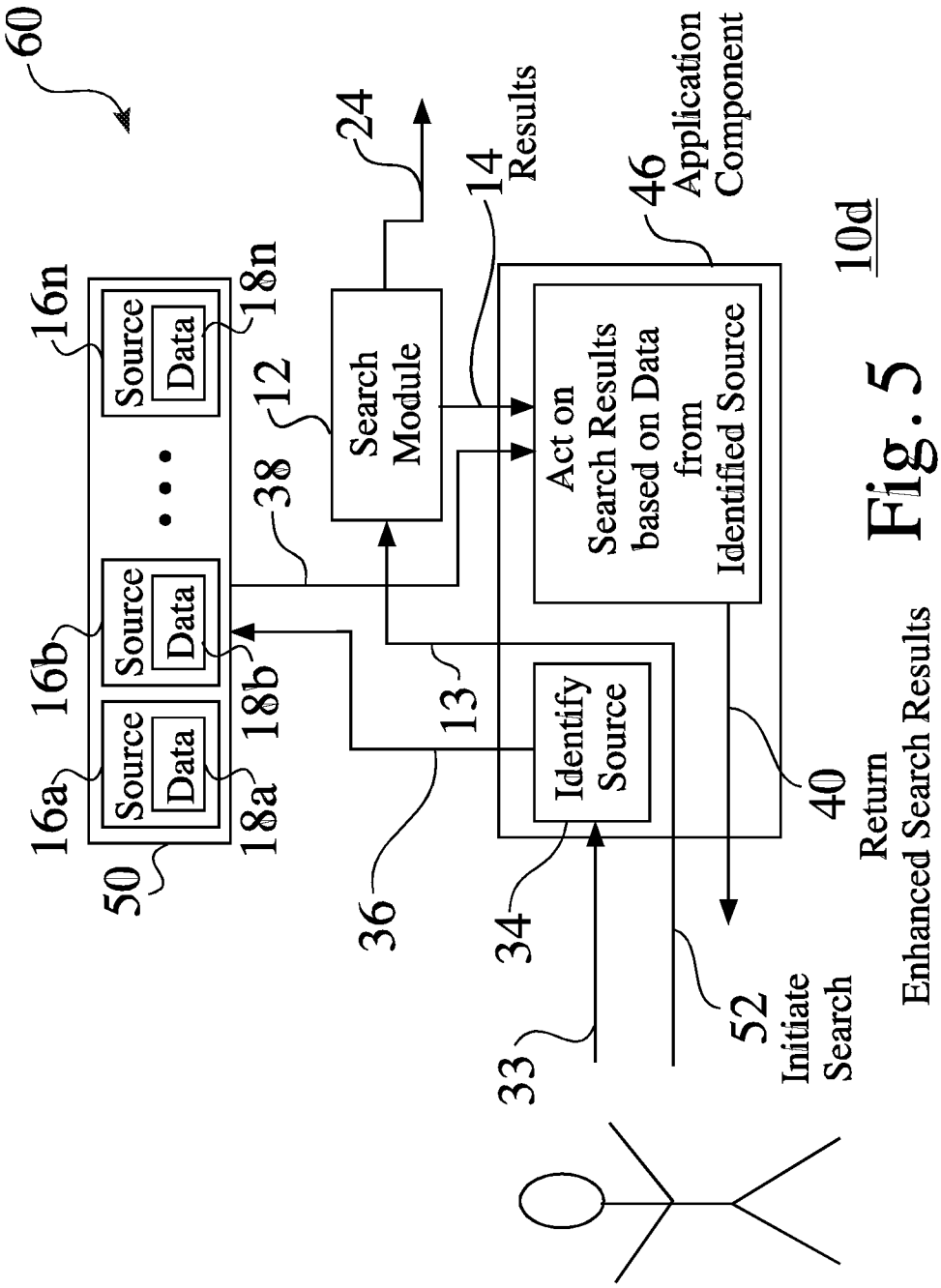
60
16n
Source
Data
18n
16b
Source
Data
18b
16a
Source
Data
18a
50
12
Search Module
24
14
Results
38
13
36
34
33
Identify Source
Act on Search Results based on Data from Identified Source
46
Application Component
10d
40
Return Enhanced Search Results
52
Initiate Search

Fig. 5

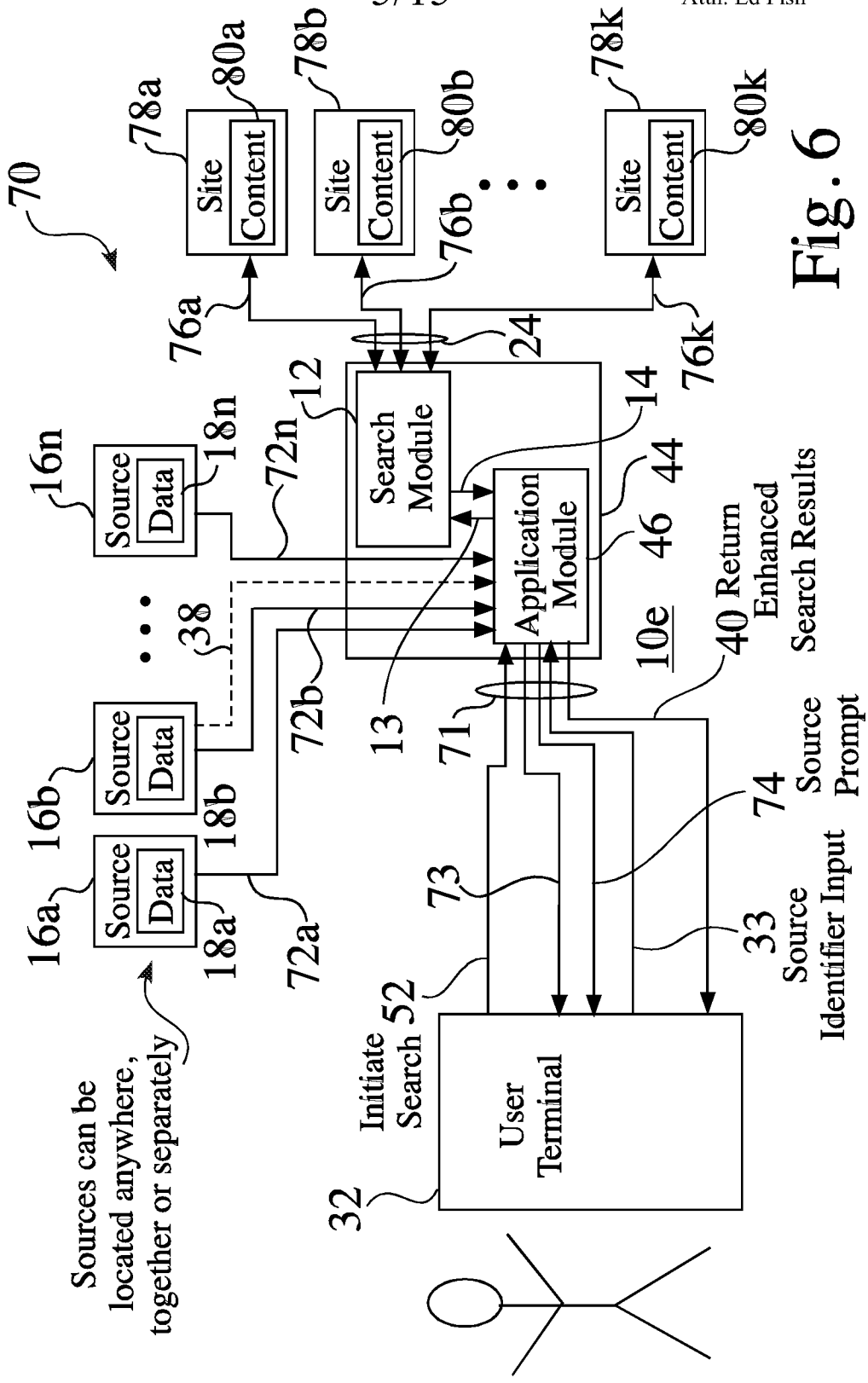
70
78a
80a
Site
Content
78b
80b
78k
80k
76a
76b
76k
24
12
Search Module
14
16n
Source
Data
18n
72n
44
46
Application Module
38
16b
18b
72b
13
71
10e
40 Return Enhanced Search Results
16a
18a
72a
73
74 Source Prompt
33 Source Identifier Input
52 Initiate Search
32
User Terminal
Sources can be located anywhere, together or separately

Fig. 6

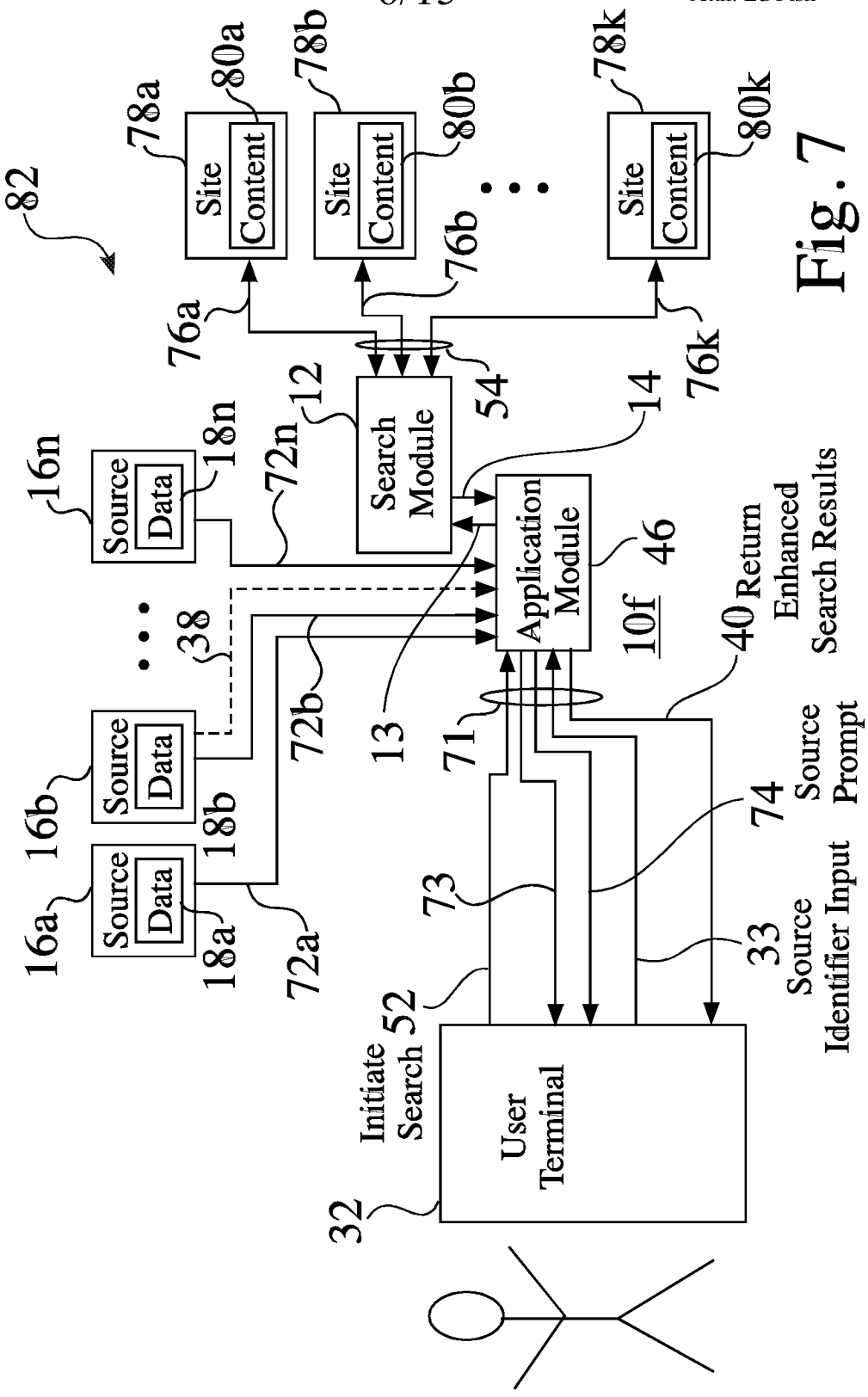
82
78a
80a
Site
Content
78b
80b
78k
80k
76a
76b
76k
54
12
Search Module
14
16n
Source
Data
18n
72n
16b
18b
72b
16a
18a
72a
38
13
71
Application Module
46
10f
40 Return Enhanced Search Results
73
74 Source Prompt
33 Source Identifier Input
52 Initiate Search
User Terminal
32

Fig. 7

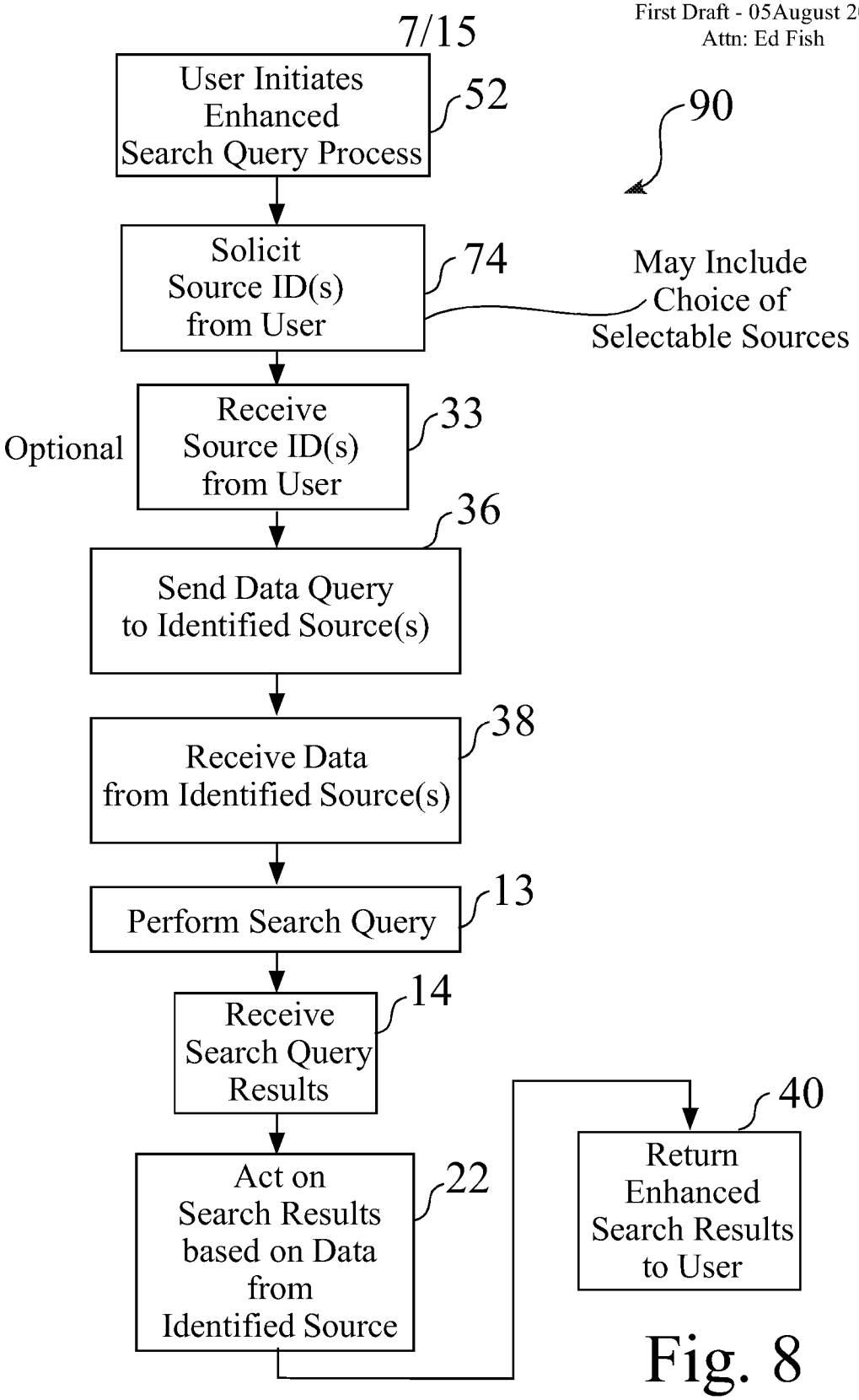
User Initiates Enhanced Search Query Process
52
90
Solicit Source ID(s) from User
74
May Include Choice of Selectable Sources
Optional
Receive Source ID(s) from User
33
Send Data Query to Identified Source(s)
36
Receive Data from Identified Source(s)
38
Perform Search Query
13
Receive Search Query Results
14
Act on Search Results based on Data from Identified Source
22
Return Enhanced Search Results to User
40

Fig. 8

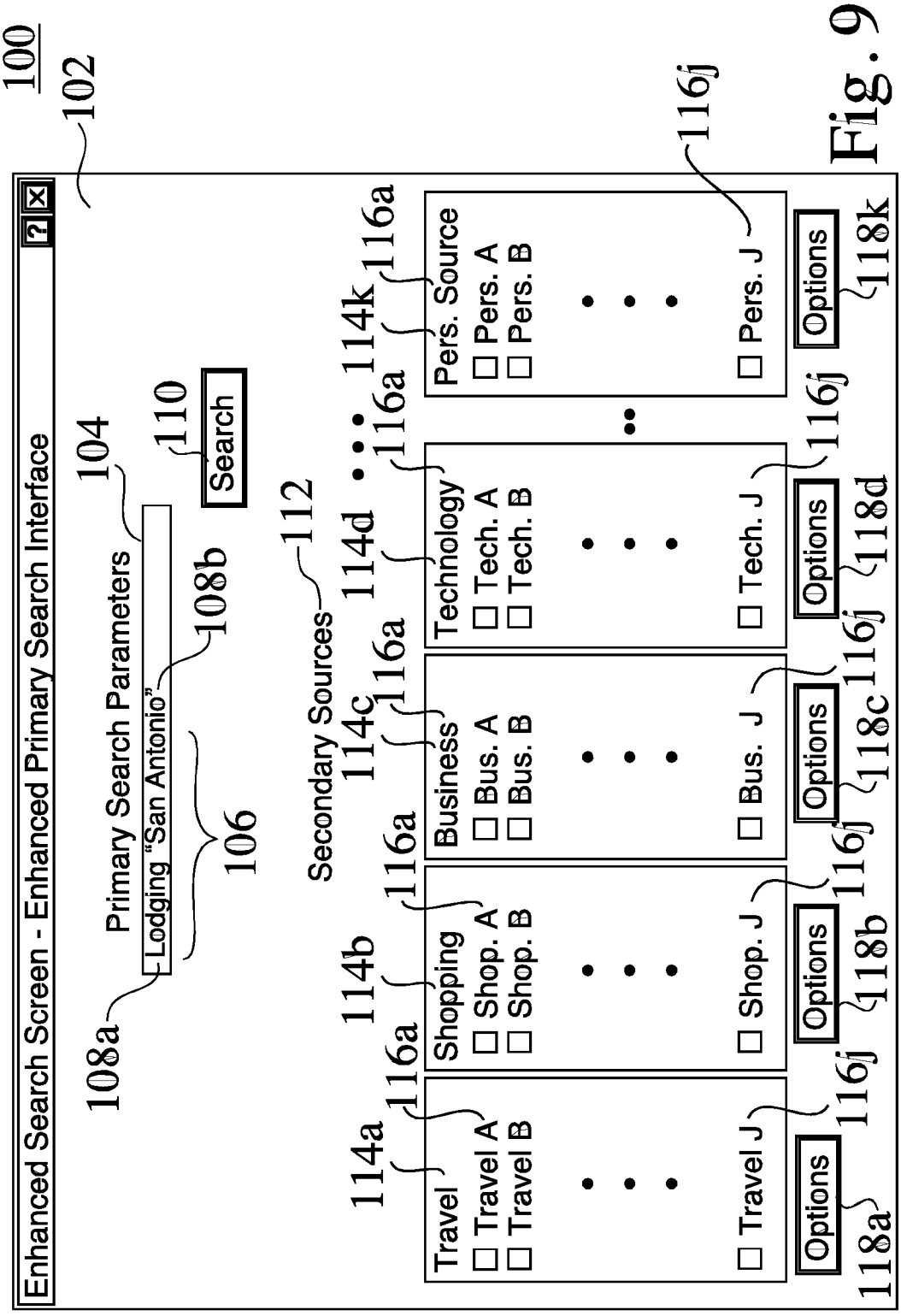
100
102
Enhanced Search Screen - Enhanced Primary Search Interface
Primary Search Parameters
104
108a
Lodging "San Antonio"
108b
106
110
Search
112
Secondary Sources
114a
Travel
Travel A
Travel B
Travel J
116a
116j
114b
Shopping
Shop. A
Shop. B
Shop. J
114c
Business
Bus. A
Bus. B
Bus. J
114d
Technology
Tech. A
Tech. B
Tech. J
114k
Pers. Source
Pers. A
Pers. B
Pers. J
118a
Options
118b
118c
118d
118k

Fig. 9

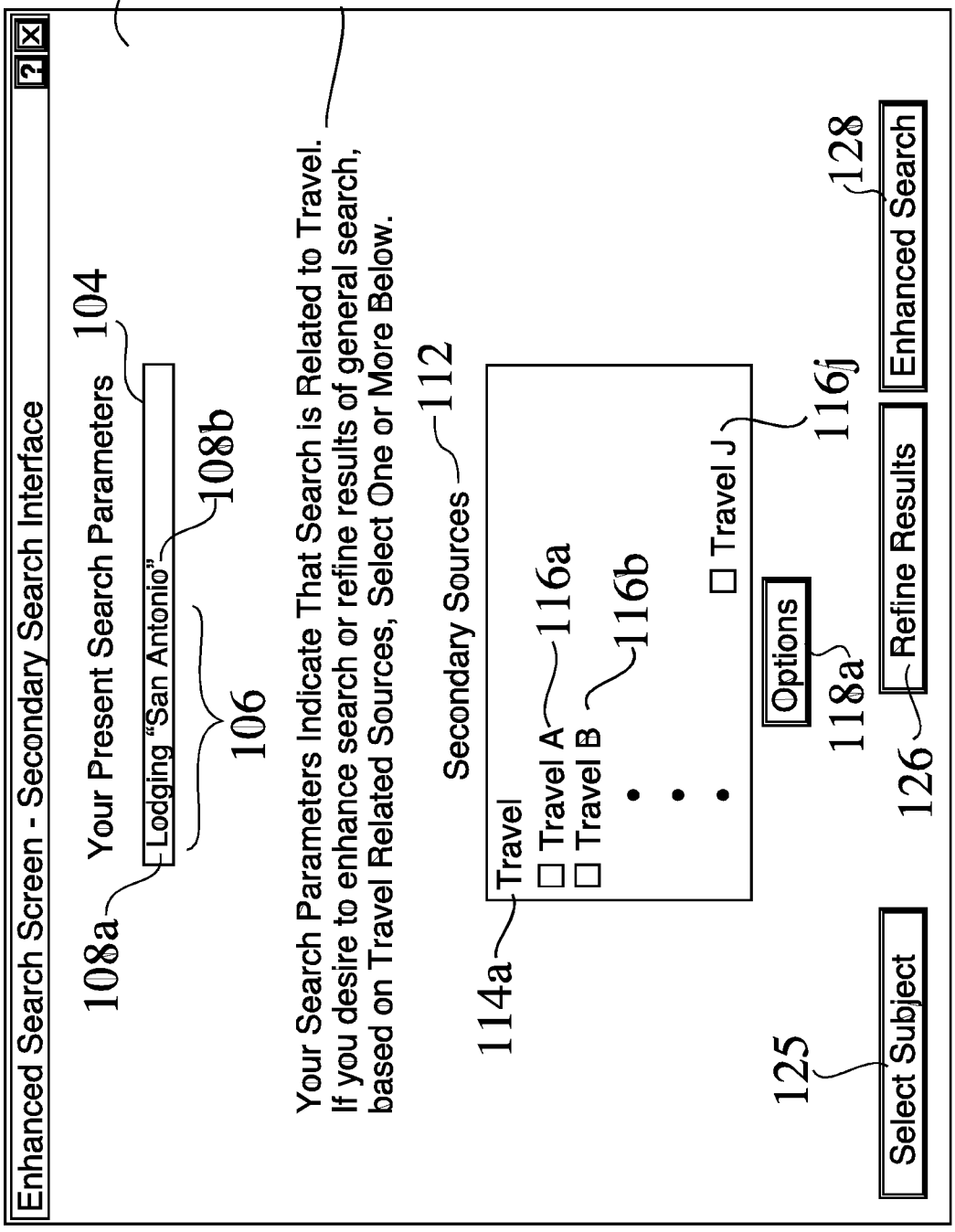
Enhanced Search Screen - Secondary Search Interface
122
124
120
Your Present Search Parameters
104
Lodging "San Antonio"
108a
108b
106
Your Search Parameters Indicate That Search is Related to Travel.
If you desire to enhance search or refine results of general search,
based on Travel Related Sources, Select One or More Below.
Secondary Sources
112
Travel
114a
Travel A
116a
Travel B
116b
Travel J
116j
Options
118a
Select Subject
125
Refine Results
126
Enhanced Search
128

Fig. 10

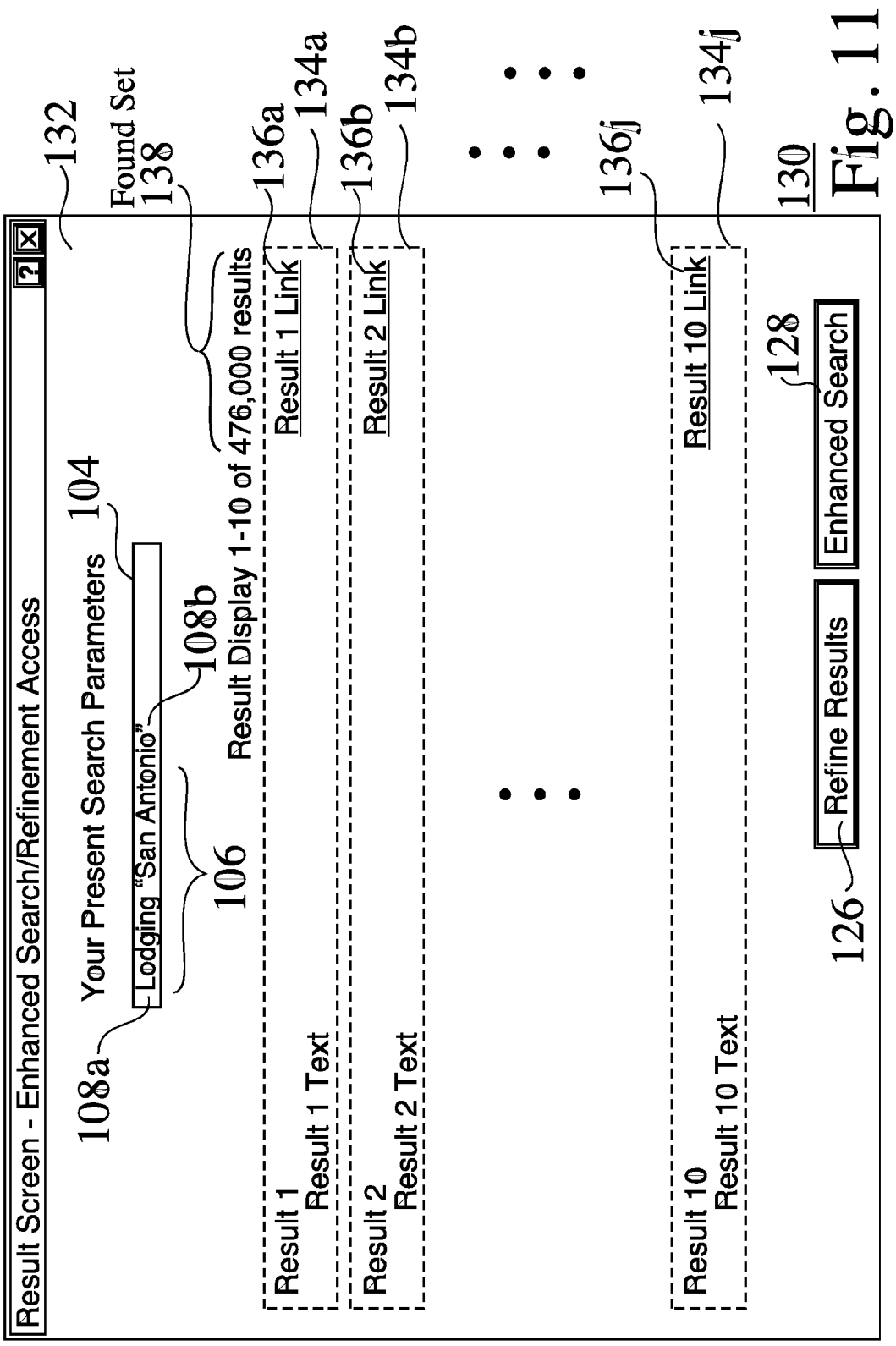
Result Screen - Enhanced Search/Refinement Access
132
Your Present Search Parameters
104
Lodging "San Antonio"
108a
108b
106
Found Set
138
Result Display 1-10 of 476,000 results
136a
134a
Result 1 Link
Result 1
Result 1 Text
136b
134b
Result 2 Link
Result 2
Result 2 Text
136j
134j
Result 10 Link
Result 10
Result 10 Text
130
128
Refine Results
Enhanced Search
126

Fig. 11

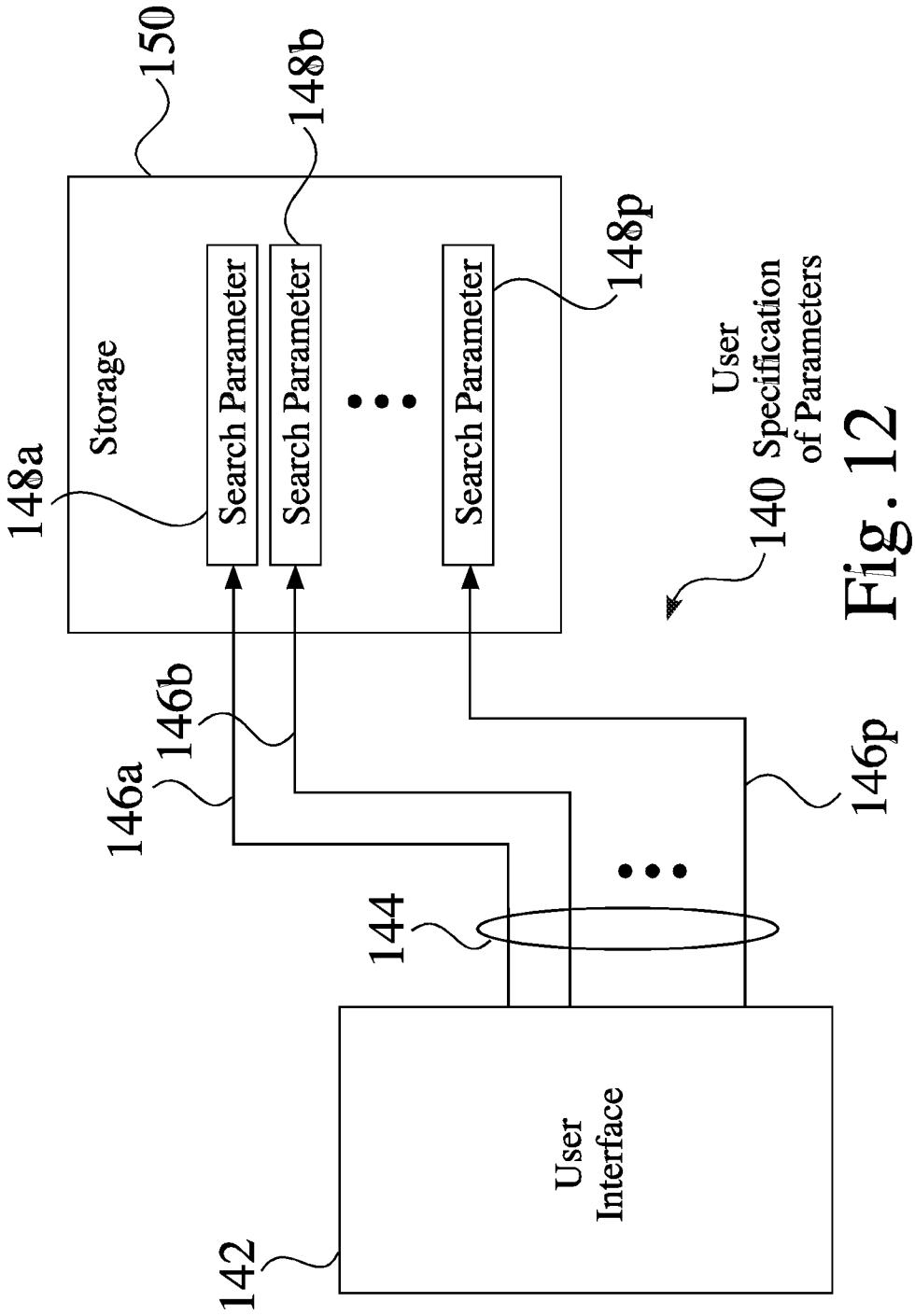
150
148b
148p
148a
Storage
Search Parameter
Search Parameter
Search Parameter
User
140 Specification
of Parameters
146b
146a
146p
144
User
Interface
142

Fig. 12

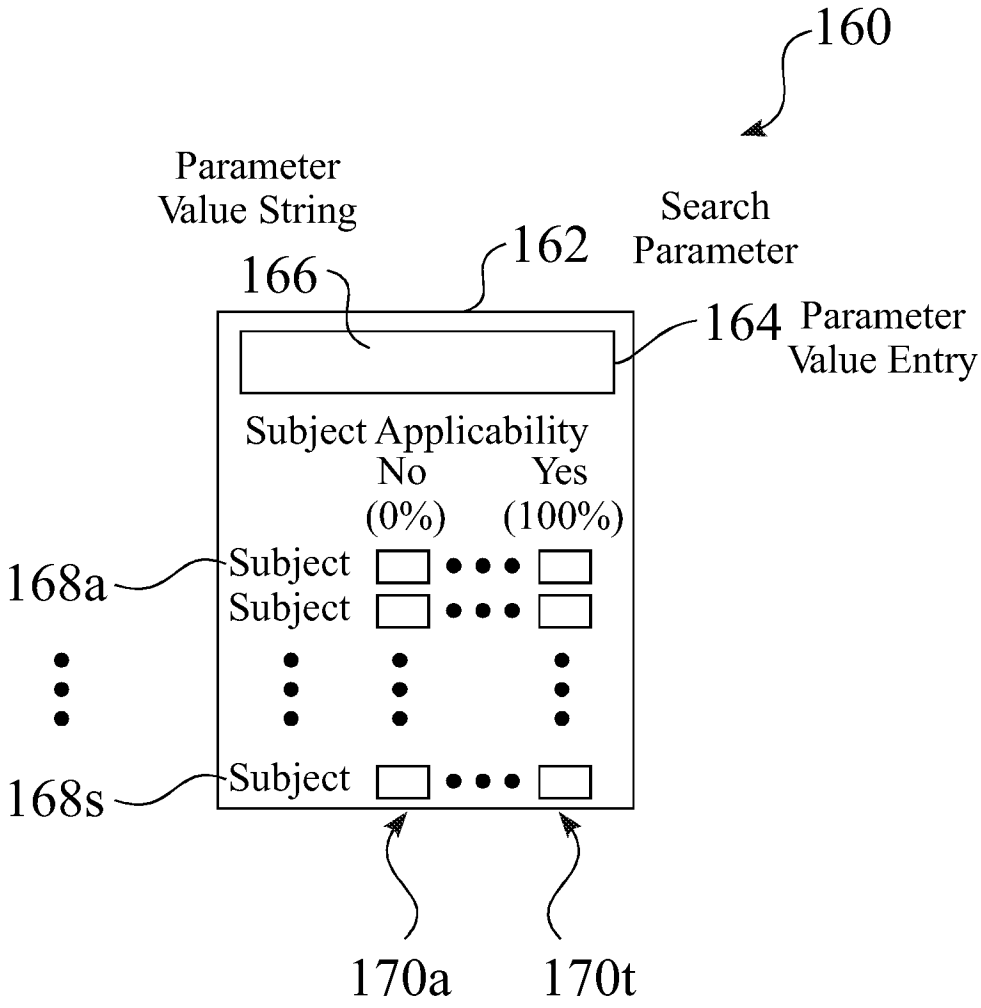
160
Parameter
Value String
166
162
Search
Parameter
164
Parameter
Value Entry
Subject Applicability
No
(0%)
Yes
(100%)
168a
Subject
Subject
168s
Subject
170a
170t

Fig. 13

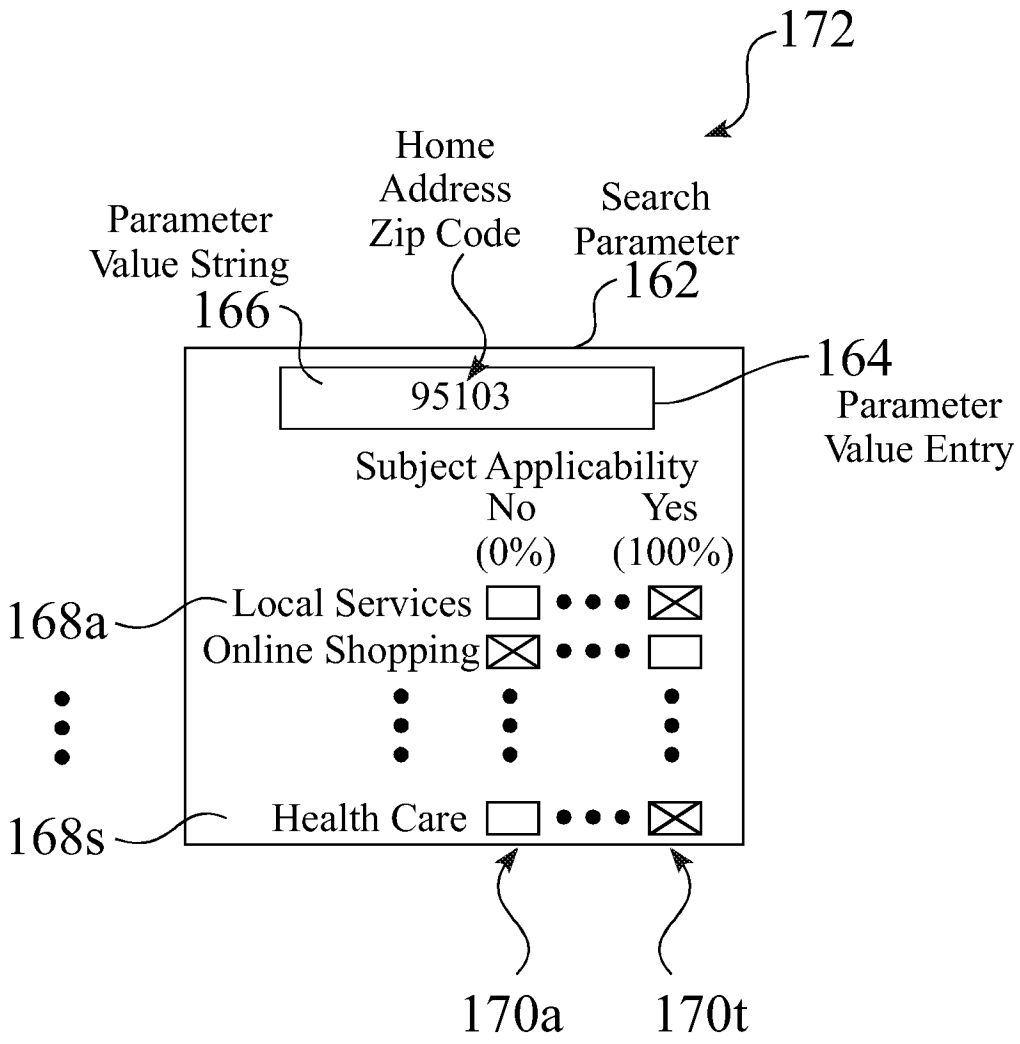
172
Home
Address
Zip Code
Search
Parameter
162
Parameter
Value String
166
164
Parameter
Value Entry
95103
Subject Applicability
No
(0%)
Yes
(100%)
168a
Local Services
Online Shopping
168s
Health Care
170a
170t

Fig. 14

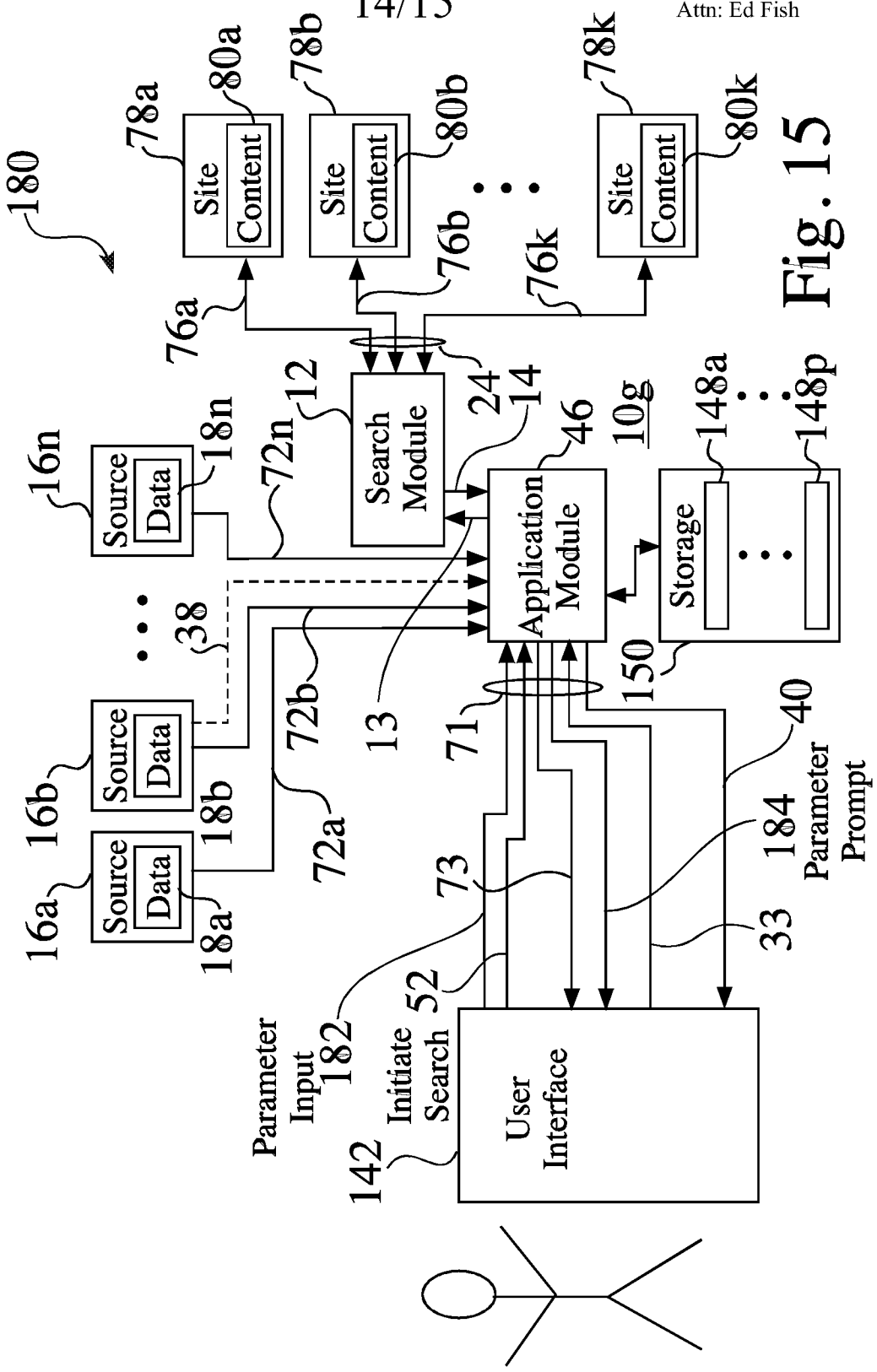
180
78a
80a
Site
Content
78b
80b
78k
80k
76a
76b
76k
12
Search Module
24
14
46
10g
148a
148p
Application Module
Storage
16n
Source
Data
18n
72n
38
16b
18b
72b
13
71
150
40
16a
18a
72a
73
184
Parameter Prompt
33
52
Parameter Input
182
Initiate Search
142
User Interface

Fig. 15

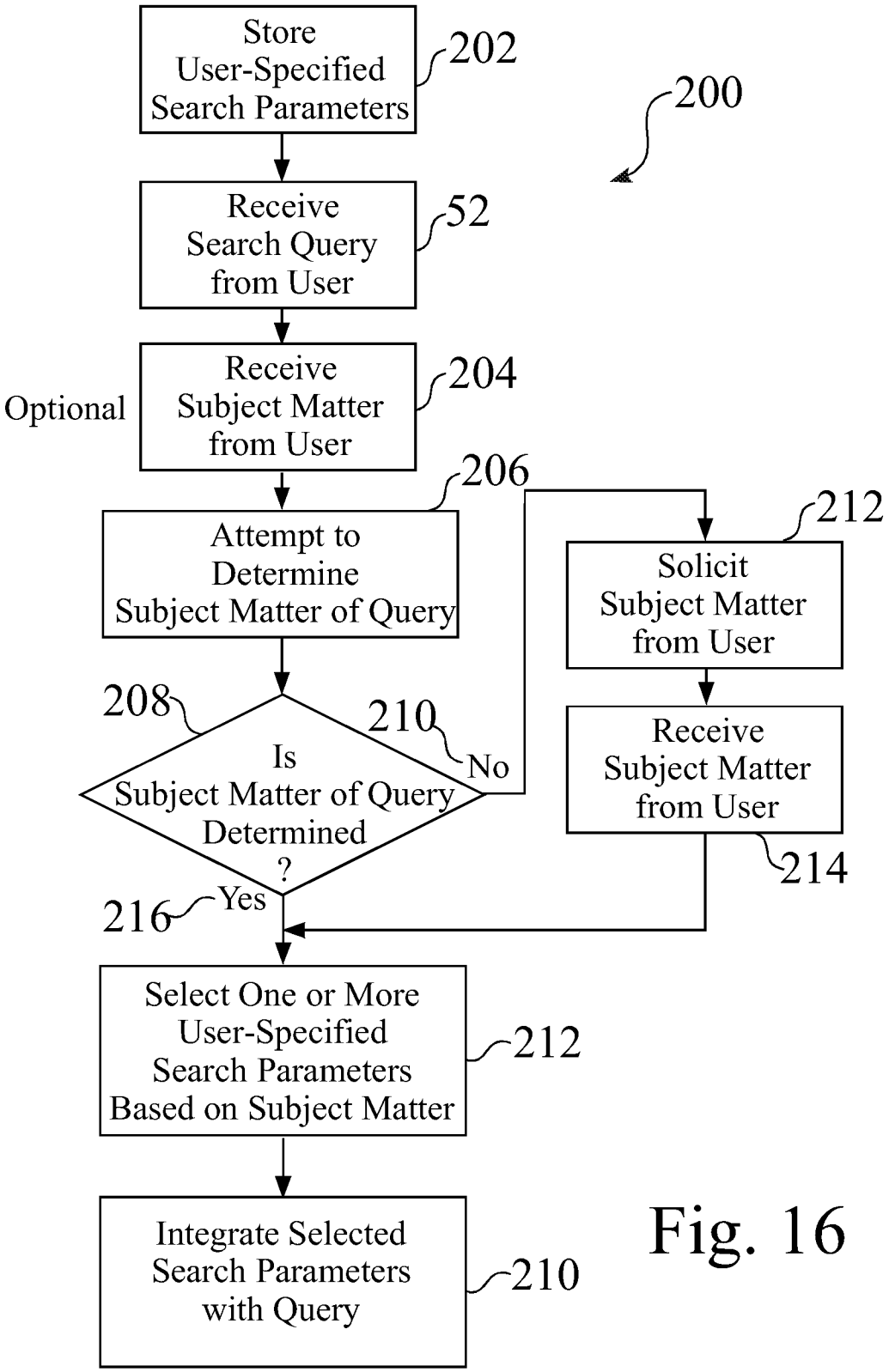
Store User-Specified Search Parameters
202
200
Receive Search Query from User
52
Optional
Receive Subject Matter from User
204
206
Attempt to Determine Subject Matter of Query
212
Solicit Subject Matter from User
208
210
Is Subject Matter of Query Determined ?
No
Receive Subject Matter from User
214
216
Yes
Select One or More User-Specified Search Parameters Based on Subject Matter
212
Integrate Selected Search Parameters with Query
210

Fig. 16